

TIP 95 — Making Your Own T-Bars/Russ Cupan

T-Nuts or T-Bars. Give Yourself a Choice.

When installing a fixture with multiple mounting points such as the compound slide, you can make installation very easy by milling some custom t-bars. The dimensions for these bars were taken from standard Sherline t-nuts. In this example, the length of the bars and spacing of the holes match the base of the compound slide. The raised areas around the threaded holes were accomplished by a method called trepanning*. Basically, use a reverse boring bar in the boring head to leave the material around the holes. Start by milling away most of the excess around and between the holes, then finish the diameters by trepanning. I imagine the raised diameters could also be milled on a rotary table.

Thank you,
Russ Cupan

* The definition of *trepan* from the online dictionary, *Meriam-Webster.com*.

trepan *verb*

\tri-'pan\

trepanned; trepanning *transitive verbs*

To remove a disk or cylindrical core (as from metal for testing)

<https://www.merriam-webster.com/>

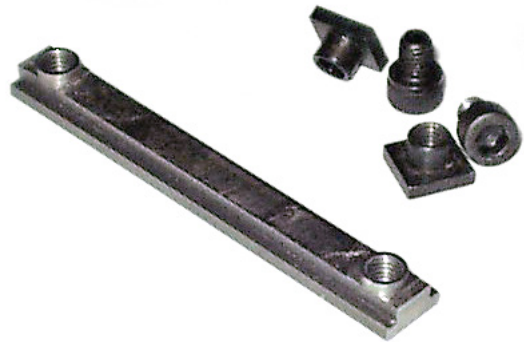


FIGURE 1— Russ Cupan's T-bar shown side by side with the standard Sherline 10-32 T-nuts.

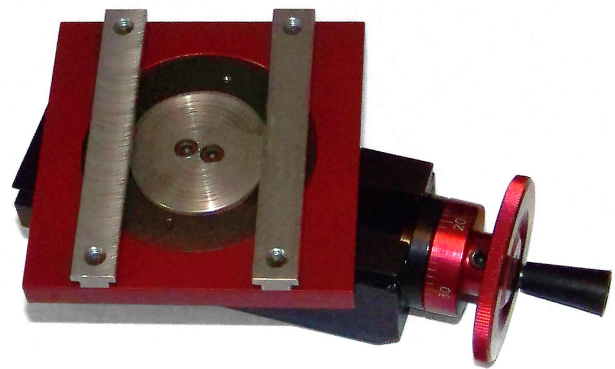


FIGURE 2— The T-bars mounted to the base of the compound slide (P/N 1270).